Title (en)

Reader device, its transmission method, and tag

Title (de)

Ein Lesegerät, seine entsprechende Übertragungsmethode und ein Kooperierendes HF Etikett

Title (fr)

Dispositif de lecture, son procédé de transmission correspondant, et étiquette RF

Publication

EP 1607764 A1 20051221 (EN)

Application

EP 05004799 A 20050304

Priority

JP 2004179824 A 20040617

Abstract (en)

A reader device (100) and RF tag (400) improves the efficiency of frequency usage without increasing bandwidth using wireless communication from the reader to the tag and provides a transmission method that improves the power supply efficiency from the reader to the tag to extend the communication distance from the tag to the reader. A reader device for wirelessly communicating with an RF tag, comprises circuitry operable to transmit a wireless signal including information indicating encoding method of data to the RF tag and circuitry operable to receive and demodulate a wireless signal from the RF tag. <IMAGE>

IPC 1-7

G01S 13/75; G01S 13/76; G06K 19/07

IPC 8 full level

G01S 13/75 (2006.01); G01S 13/76 (2006.01); G06K 7/00 (2006.01); G06K 19/07 (2006.01); H04B 5/48 (2024.01)

CPC (source: EP US)

G06K 7/0008 (2013.01 - EP US); G06K 7/10297 (2013.01 - EP US); G06K 19/0723 (2013.01 - EP US); G01S 13/758 (2013.01 - EP US); Y02D 30/70 (2020.08 - US)

Citation (search report)

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Designated contracting state (EPC)

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EP 05004799 A 20050304; CN 200510066021 A 20050419; DE 602005002978 T 20050304; JP 2004179824 A 20040617; TW 94105800 A 20050225; US 4244005 A 20050126